

**GANPAT UNIVERSITY**

**B. TECH SEM- VI (BM & I) REGULAR EXAMINATION- APRIL-JUNE 2017**

**2BM606: Hospital Management & Information System**

**TIME: 3 HRS**

**TOTAL MARKS: 60**

**Instructions:** (1) This Question paper has two sections. Attempt each section in separate answer book.  
(2) Figures on right indicate marks.  
(3) Be precise and to the point in answering the descriptive questions.

**SECTION: I**

- Q.1** (a) What is system? How will you describe Hospital as a system? (2)  
(b) Define "Ward". Draw and explain the Nightingale ward for Nursing Unit. (4)  
(c) Give the classification of hospital. Enlist and explain various tasks performing for a development of hospital in detail. (4)

**OR**

- Q.1** (a) Define "OPD". Draw and explain the flowchart of Outpatient Department. (4)  
(b) Who is the father of modern management? According to him define "Management" and Explain Principles of Management in detail. (6)
- Q.2** (a) What is zoning? Explain the criteria for Zoning with its general principles. (4)  
(b) What are the important functions of biomedical engineering unit in Hospital? (3)  
(c) Define Linen. Give the classification of Linen with its suitable example. (3)

**OR**

- Q.2** (a) Define waste. Enlist and explain the general classification of waste. (4)  
(b) What precautions should be taken for protection against Radiation? (3)  
(c) List out the major Equipments and Appliances used in OT suits. (3)
- Q.3** (a) Write a short note on VED Analysis with its various matrix classifications. (5)  
(b) Enlist the Intramural and Extramural functions of Hospital. (5)

**SECTION: II**

- Q.4 (a) Enlist the criteria for effective planning with step by step approach of planning. (4)
- (b) Enlist and Explain skills of effective managers with its importance. (3)
- (c) Write the full form of following: (3)
- BICU, ICCU, OICU, PICU, NICU, SICU

**OR**

- Q.4 (a) What is Value Engineering? Enlist and explain the steps of VE Project. (4)
- (b) What is Depreciation? How to calculate Depreciation? Explain it with necessary example. (4)
- (c) Define the financial Terms (any four): (2)
- 1) Balance Sheet
  - 2) Cost Finding
  - 3) Budget
  - 4) Asset
  - 5) Revenue Expenditure

- Q.5 (a) Give the categories of Biomedical waste with their color codes and treatment options. (5)
- (b) Enlist the sequential events of CSSD and explain all the events with its flow process chart. (5)

**OR**

- Q.5 (a) Enlist the major functions of Medical Record department and explain the flow of inpatient medical records with necessary diagram. (5)
- (b) What is EOQ Formula? Calculate Total annual cost and Economic order quantity Q for the following Example: (5)
- Example:** Never-Die Hospital purchases 1,600 pairs (units) of surgical gloves each year at a unit cost of Rs. 15. The order cost is Rs. 100 per order, and the holding cost per unit per year is computed at Rs. 8.

- Q.6 (a) Explain Income and Expenditure statement in detail. (5)
- (b) Enlist and explain common problems occurred in outpatient services with its cause and effect. (5)

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